

BETA 12 (16 ohm)

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| Nominal Basket Diameter | 12", 304.8mm |
| Impedance | 16 ohms |
| Power Rating | 250Wrms |
| Resonance | 51Hz |
| Usable Frequency Range | 50Hz - 5kHz |
| Sensitivity | see guide on web |
| Magnet Weight | 34oz. |
| Gap Height | 0.312", 7.94mm |
| Voice Coil Diameter | 2", 50.8mm |

Mounting Information

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| Recommended Enclosure Volume (vented) | 64 - 106 liters 2.25 - 3.75 cu. ft. |
| Overall Diameter | 12.02", 305.2mm |
| Baffle Hole Diameter | 10.97", 278.6mm |
| Front Sealing Gasket | <i>fitted as standard</i> |
| Rear Sealing Gasket | <i>fitted as standard</i> |
| Mounting Holes Diameter | 0.25", 6.4mm |
| Mounting Holes B.C.D. | 11.63", 295.3mm |
| Depth | 4.47", 113.5mm |
| Shipping Weight | 9.2lbs., 4.2 kg. |

Thiele-Small Parameters

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| Resonant Frequency (fs) | 51Hz |
| Impedance (Re) | 9.97 ohms |
| Coil Inductance (Le) | 0.97mH |
| Electromagnetic Q (Qes) | 0.65 |
| Mechanical Q (Qms) | 5.26 |
| Total Q (Qts) | 0.58 |
| Compliance Equivalent Volume (Vas) | 4.32 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd) | 42cc |
| Mechanical Compliance of Suspension (Cms) | 0.31mm/N |
| BL Product (BL) | 12.5 T-M |
| Diaphragm Mass inc. Airload (Mms) | 31 grams |
| Equiv. Resistance of Mechanical Suspension Loss (Rms) | 1.91N*sec/M |
| Efficiency Bandwidth Product (EBP) | 79 |
| Voice Coil Overhang (Xmax) | 0.8mm |
| Surface Area of Cone (Sd) | 532.4cm ² |
| Impedance at Resonance (Zmax) | 91 ohms |



Application Notes

Performance optimized for sound reinforcement systems. Also suitable for lead and bass guitar, keyboards, guitar combos, club music systems and stage monitors.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 33ga., copper voice coil for improved power handling and durability.
- Ferrite Magnet
- Vented core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

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